6 in. CENTRAL VACUUM RANDOM ORBITAL SANDER

OWNER'S MANUAL

⚠ **WARNING: Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.**

Item #19982

Thank you very much for choosing a Klutch™ product! For future reference, please complete the owner's record below:

Model: _____ Purchase Date: _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This machine is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted the distributor to determine if it can or should be performed on the product.

For technical questions please call **1-800-222-5381**.

INTENDED USE

This 6in. Central Vacuum Random Orbital Sander provides effortless power and enough speed to complete a variety of drilling applications. Its right-angle head is ideal for use in tight quarters, providing better efficiency and productivity. This tool stops rotation within few seconds after releasing the lever. Reduced noise level and lightweight construction allow you to work longer with less fatigue.

TECHNICAL SPECIFICATIONS

Item	Description
Noise Level	80 dBA
Speed	11,000 RPM Free Speed
Sanding Pad	6in.
Random Orbit	5mm
5-blade rotor produces more useful power using less air.	
Anti-dust system insulates motor and bearings from residue.	

GENERAL SAFETY RULES

WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

WORK AREA

- **Keep work area clean,** free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- **Do not use your Central Vacuum Random Orbital Sander where there is a risk of causing a fire or an explosion;** e.g. in the presence of flammable liquids, gasses, or dust. An Central Vacuum Random Orbital Sander can create sparks, which may ignite the dust or fumes.
- **Keep children and bystanders** away while operating the Central Vacuum Random Orbital Sander. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- **Be aware of all power lines, electrical circuits,** water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and may cause personal harm or property damage.
- **Be alert of your surroundings.** Using the Central Vacuum Random Orbital Sander in confined work areas may put you dangerously close to cutting tools and rotating parts.

PERSONAL SAFETY

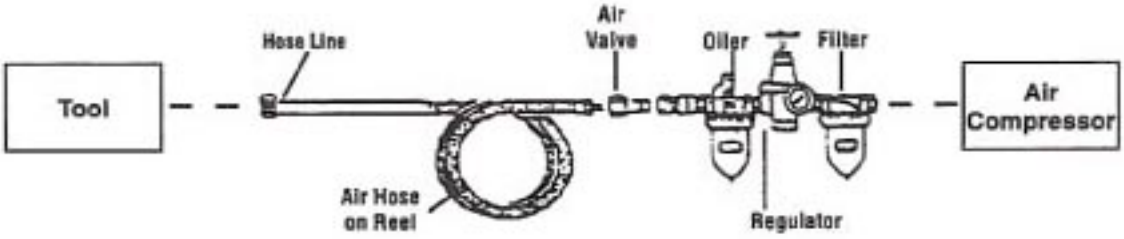
- **Stay alert,** watch what you are doing and use common sense when operating the Central Vacuum Random Orbital Sander. Do not use the Central Vacuum Random Orbital Sander while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the Central Vacuum Random Orbital Sander may result in serious personal injury.
- **Dress properly.** Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents often cover moving parts and should be avoided.
- **Use safety apparel and equipment.** Use ANSI-approved safety goggles or safety glasses with side shields, or when needed, a face shield. Use as dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.
- **Do not overreach.** Keep proper footing and balance at all times.
- **Remove adjusting keys or wrenches** before connecting to the power supply or turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

PNEUMATIC TOOL USE AND CARE

- **Do not force the tool.** Pneumatic tools do a better and safer job when used in the manner for which they are designed. Plan your work, and use the correct tool for the job.
- **Never use a tool** with a malfunctioning switch. Any power tool that cannot be controlled with the switch is dangerous and must be repaired by an authorized service representative before using.
- **Disconnect air supply** from tool and place the switch in the locked or off position before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

- **Secure work** with clamps or a vise instead of your hand to hold work when practical. This safety precaution allows for proper tool operation using both hands.
- **Store idle tools.** When tools are not is use, store them in a dry, secure place out of the reach of children. Inspect tools for good working condition prior to storage and before re-use.
- **Use only accessories that are recommended** by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.
- **Keep guards in place** and in working order.
- **Never leave tool** running unattended.
- **USE COMPRESSED AIR ONLY.** Use clean, dry and regulated compressed air to power this tool. Never use oxygen, carbon dioxide or any other bottled gas as a power source for this tool.

TOOL SET UP



Recommended Air Line Components

Fig. 1 (Above) shows an optimal set-up that includes an inline filter, regulator and oiler. All of these components are sold separately.

NOTE: If you are not using an automatic oiler system, before operation, add a few drops of Pneumatic Tool Oil to the airline connection. Add a few drops more after an hour of continual use.

1. Prepare the 1/4in. air nipple to connect to the air inlet on the Central Vacuum Random Orbital Sander. First, wrap the 1/4in. air nipple with pipe thread seal tape (not included) before threading it into the inlet. Connect the 3/8in. I.D. air hose (not included) to a quick-disconnect coupler (not included) and then to the air nipple.
2. Turn on the air pressure on your compressor to 90 PSI. Do not exceed the recommended air pressure of 90 PSI.
3. Check the air connection for leaks.

AIR SUPPLY

⚠**WARNING:** Ensure the air supply is clean and does not exceed 90 PSI while operating the tool. Too much air pressure and unclean air will shorten the product life due to excessive wear, and may cause damage and/or personal injury.

1. Make sure that the air valve (or trigger) is in the “off” position before connecting to the air supply.

2. An air pressure of 90 PSI is required.
3. Drain the air tank daily. Water in the airline can damage the tool.
4. Clean the air inlet filter weekly.
5. Line pressure should be increased to compensate for longer air hoses (over 26 feet or 8 meters).
6. Keep the hose away from heat, oil and sharp edges. Check the hose for wear and make certain that all connections are secure.

MAINTENANCE

WARNING: Make sure the Central Vacuum Random Orbital Sander is disconnected from its power source before attempting any maintenance, cleaning, or inspection.

- Maintain your Central Vacuum Random Orbital Sander. It is recommended that the general condition of any tool be examined before it is used. Keep your Central Vacuum Random Orbital Sander in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. If any abnormal vibrations or noise occurs, turn the Central Vacuum Random Orbital Sander off immediately and have the problem corrected before further use. Have necessary repairs made by qualified service personnel.
- Keep all cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Keep handles dry, clean, and free from oil and grease.
- Cleaning. Use only soap and a damp cloth to clean your Central Vacuum Random Orbital Sander. Many household cleaners are harmful to plastics and other insulation. Never let liquid get inside the Central Vacuum Random Orbital Sander.

OPERATING INSTRUCTIONS

Check if the maximum air pressure is set to the specified value.

- **Setting the speed**

  Use the speed regulator handle to adjust the speed regulator to the preferred speed.
- **Installing sanding discs**

  Stick the Velcro sanding discs to the sanding pad.

  The discs must be centered and the dust extraction holes must be aligned with the sanding pad.
- **Connecting a dust extractor**

  Connect a dust extractor unit to the suction connection.

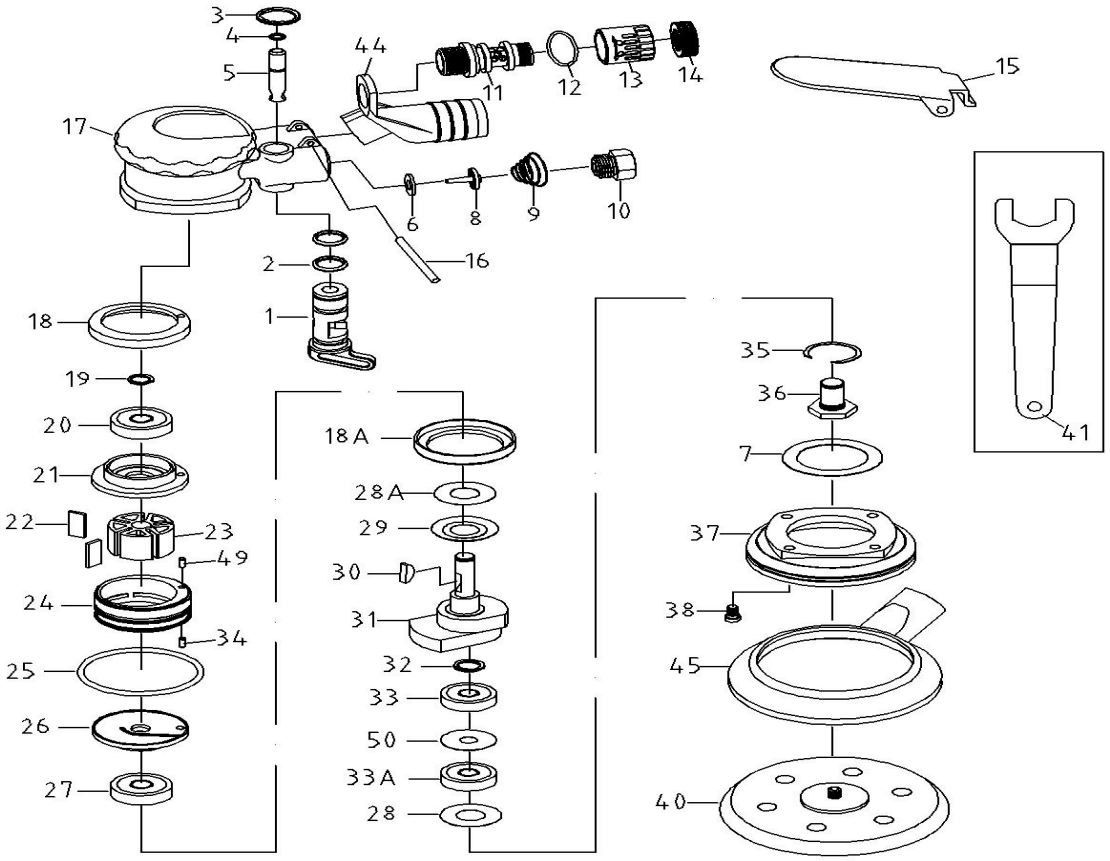
  To prevent damage to the pneumatic motor let the dust extraction run for a short period after the tool has stopped.
- **Check if the sanding pad is fitted properly**

  If the sanding pad is no longer adhesive, you should change to a new one. To change for it, turn up the shroud and insert the supplied wrench to fix the screw bolt in the central then turn the pad as shown in the illustration as below.

  Let the tool run at free speed for 30 s in a safe position.

  Stop immediately if vibration is too high or other problems are detected.

DIAGRAM & PARTS LIST



NO	PART NO	DESCRIPTION	Q'TY	NO	PART NO	DESCRIPTION	Q'TY
01	OB-01	REGULATOR	1	24	STOB-22	CYLINDER	1
02	OB-02	O-RING	2	25	OB-24	O-RING	1
03	OB-30	SNAP RING	1	26	STOB-25	FRONT PLATE	1
04	OB-04	O-RING	1	27	OB-26A	BEARING(6002ZZ)	1
05	OB-05	VALVE STEM	1	28	OB-28.1	WASHER	1
06	OB-06	WASHER	1	28A	OB-28	WASHER	1
07	OB-16.1	WASHER	1	29	E-29	WASHER	1
08	STOB-08	VALVE	1	30	ST70407	ROTOR KEY	1
09	OB-09-1	SPRING	1	31	STS560-29	MOTOR SHAFT BALANCER(6")	1
10	70426	AIR INLET	1	32	OB-30	SNAP RING	1
11	OB-11	MUFFLER BODY	1	33	OB-31.3	BEARING(6001LU)	1
12	OB-11.1	O-RING		33A	OB-31.4	BEARING (6001)	1
13	OB-11	EXHAUST SLEEVE		34	81326	PIN(3*8)	1
14	OB-11	NUT		35	OB-33	SNAP RING	1
15	OB-13	LEVER	1	36	S560-34	SHAFT	1
16	OB-14	PIN	1	37	OB-35.2	HOUSING COVER	1
17	STOB-15-3	HOUSING	1	38	OB-36	SCREW	4
18	OB-16.2	RUBBER BUSHING	1	40	BTOB-38-6V6Y	PAD HOOK-UP (6-HOLE)	1
18A	OB-16	RUBBER BUSHING	1	40	BTOB-38-6V7Y	PAD HOOK-UP (7-HOLE)	1
19	70410	SNAP RING	1	41	BTOB-39-22	STOP SPANNER	1
20	70048A	BEARING (6000ZZ)	1	44	S560-41.1	VACUUM ADAPTER	1
21	STOB-19	REAR PLATE	1	45	OB-42	SHROUD	1

22	OB-20	ROTOR BLADE	5	49	OB-101-23	PIN (3*14L)	1
23	STOB-21	ROTOR	1	50	OB-23.2A	SHIM	1

For replacement parts and technical questions, please call **1-800-222-5381**.

WARRANTY

One-Year Limited Warranty

⚠ WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

KLUTCH™

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